

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Chae, et al.

Serial No.: 10/706,902

Confirmation No.: Unknown

Filed: November 12, 2003

For: SELECTIVE ETCH PROCESS
OF A SACRIFICIAL LIGHT
ABSORBING MATERIAL
(SLAM) OVER A DIELECTRIC
MATERIAL

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Group Art Unit: Unknown

**Examiner:** Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

I hereby certify that this correspondence is being deposited on February 12, 2004 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

2/12/04  
Date

SCastro  
Signature

Dear Sir:

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

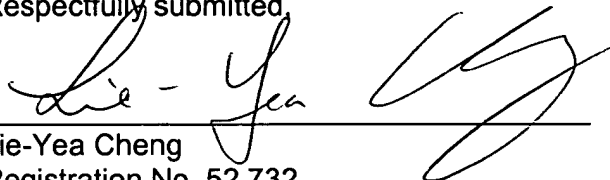
While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/8501/BTP.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lie-Yea", is written over a horizontal line.

Lie-Yea Cheng  
Registration No. 52,732  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd., Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Agent for Applicant(s)

Substitute for form 1449A/PTO

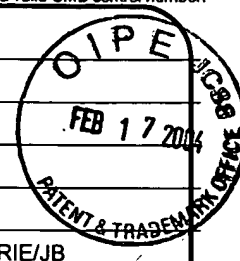
**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

|                        |                        |
|------------------------|------------------------|
| Application Number     | 10/706,902             |
| Filing Date            | November 12, 2003      |
| First Named Inventor   | Hee Yeop Chae          |
| Group Art Unit         | Unknown                |
| Examiner Name          | Unknown                |
| Attorney Docket Number | AMAT/8501/ETCH/DRIE/JB |
| Submission Date        | February 12, 2004      |

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                    | A1                    | US-6,365,529                             | 04-02-2002                     | Hussein, et al.                                    |                                                                                 |
|                    | A2                    | US-6,448,185                             | 09-10-2002                     | Andideh, et al.                                    |                                                                                 |
|                    | A3                    | US-6,448,529                             | 09-10-2002                     | Hiraishi, et al.                                   |                                                                                 |
|                    | A4                    | US-20030218427 A1                        | 11-27-2003                     | Hoffman, et al.                                    |                                                                                 |
|                    | A6                    | US-20030194495 A1                        | 10-16-2003                     | Li, et al.                                         |                                                                                 |
|                    | A5                    | US-                                      |                                |                                                    |                                                                                 |
|                    | A7                    | US-                                      |                                |                                                    |                                                                                 |
|                    | A8                    | US-                                      |                                |                                                    |                                                                                 |
|                    | A9                    | US-                                      |                                |                                                    |                                                                                 |
|                    | A10                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A11                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A12                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A13                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A14                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A15                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A16                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A17                   | US-                                      |                                |                                                    |                                                                                 |
|                    | A18                   | US-                                      |                                |                                                    |                                                                                 |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document                  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
|                    | B1                    |                                          |                                |                                                    |                                                                                 |                |
|                    | B2                    |                                          |                                |                                                    |                                                                                 |                |
|                    | B3                    |                                          |                                |                                                    |                                                                                 |                |
|                    | B4                    |                                          |                                |                                                    |                                                                                 |                |
|                    | B5                    |                                          |                                |                                                    |                                                                                 |                |

Examiner

Date Considered

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10/706,902

November 12, 2003

Hee Yeop Chae

Unknown

Unknown

AMAT/8501/ETCH/DRIE/JB

February 12, 2004

Sheet 2

of 2

## NON PATENT LITERATURE DOCUMENTS

Examiner  
Initials\*Cite  
No.<sup>1</sup>

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

 $T^2$ 

C1

Kennedy, et al. "An Anthracene-Organosiloxane Spin on Antireflective Coating for KrF Lithography," SPIE 28<sup>th</sup> Annual Microlithography Conference, February 23, 2003.

**Examiner**

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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